| • | TA A                                 |            |          |          |          |                |          |                |  |                |           |          |              | Application No.      |                 |           |             |           |       |       |               |                       |          | Applicant(s) |                             |          |          |                      |         |   |         |           |   |   |
|---|--------------------------------------|------------|----------|----------|----------|----------------|----------|----------------|--|----------------|-----------|----------|--------------|----------------------|-----------------|-----------|-------------|-----------|-------|-------|---------------|-----------------------|----------|--------------|-----------------------------|----------|----------|----------------------|---------|---|---------|-----------|---|---|
|   | Index of Claims                      |            |          |          |          |                |          |                |  |                |           |          |              |                      | 10/618,528      |           |             |           |       |       |               |                       |          |              | GULAN ET AL.                |          |          |                      |         |   |         |           |   |   |
|   |                                      |            |          |          |          |                |          |                |  |                |           |          |              |                      | Examiner        |           |             |           |       |       |               |                       |          |              | r U                         |          | =-       |                      |         |   |         |           |   |   |
|   |                                      |            |          |          |          |                |          |                |  |                |           |          |              | Raleigh Chiu         |                 |           |             |           |       |       |               |                       | 3711     |              |                             |          |          |                      |         |   |         |           |   |   |
|   | √ Rejected — (Through nume Cancelled |            |          |          |          |                |          |                |  |                |           |          |              |                      | era             | l)        | 7           | N         | N     | lon   | -Ele          | cted                  | 1        | A            | Appeal .                    |          |          |                      |         |   |         |           |   |   |
|   | = Allowed                            |            |          |          |          |                |          |                | I  | +              |           |          |              |                      |                 |           |             | l Interfe |       |       | rfen          | ence                  |          | 0            | Objected                    |          |          |                      |         |   |         |           |   |   |
|   |                                      |            |          |          |          |                |          |                | Ł  |                | _         | Cisir    |              |                      |                 |           | _           | <u>~</u>  | 210   |       |               | _                     | Clain    |              | $\stackrel{\smile}{\vdash}$ | Date     |          |                      |         |   | $\neg$  |           |   |   |
|   | Cla                                  | laim Date  |          |          |          |                |          | $\neg$         | 7  | $\dashv$       | Claim     |          |              | T                    | Т               | Da        |             |           |       | П     |               | _                     | $\sqcap$ | П            | T                           | TÏÏTT    |          |                      |         | 1                                       |         |           |   |   |
|   | Final                                | Original   | 6/9/04   | 12/22/04 | 3/16/05  |                |          |                |  |                |           | Final    |              | Original             |                 |           |             |           |       |       |               |                       | Final    | Original     |                             |          |          |                      |         |   |         |           |   |   |
|   |                                      | <b>y</b>   | 7        | 7        |          |                |          |                |  |                | ゴ         |          |              | 51                   | 1               | #         | 1           | 1         | 丰     | 二     |               |                       |          | 101          | П                           | $\Box$   | $\Box$   | Ţ                    | Ţ       | F                                       | П       | 7         |   |   |
|   |                                      | 7          | 77       |          |          | Н              | Н        | -              | $\dashv$   | $\dashv$       | -         | $\vdash$ |              | 52<br>53             | +               | +         | +           | +         | ╀     | +     | Н             | Н                     | $\vdash$ | 102          | $\vdash$                    | H        | $\dashv$ | +                    | +       | t                                       | H       | 1         |   |   |
|   |                                      | 4          | _        | Ť        | Ξ        |                |          |                |  |                |           |          |              | 54                   |                 | 士         |             | 1         |       |       |               | 口                     |          | 104          | П                           |          | $\Box$   |                      | T       | T                                       | П       | 7         |   |   |
|   |                                      | 5          | 4        | 7        | =        | $\Box$         | Н        | $\blacksquare$ | $\blacksquare$                                   | _              | -         | $\vdash$ |              | 55<br>56             | ┩               | +         | +           | +         | ╀     | ╀     | -             | Н                     | -        | 105<br>106   |                             | Н        | +        | ╫                    | +       | 十                                       | H       | $\dashv$  |   |   |
|   |                                      | 6          | 1        | 1        | =        |                | Н        | H              | $\vdash$   | ┥              | $\dashv$  | -        |              | 57                   | +               | +         | +           | $\pm$     | t     | 上     |               | Image: second content |          | 107          |                             |          |          | 士                    |         | 工                                       | Ħ       | $\exists$ |   |   |
|   |                                      | 8          | 4        |          | =        |                |          |                |  |                | $\Box$    |          |              | 58                   | $\Box$          | $\perp$   | 7           | $\top$    | Ļ     | Į_    | L             | $\square$             | -        | 108          |                             | Н        | $\dashv$ | +                    | ╀       | ╀                                       | ╀┼      | $\dashv$  |   |   |
|   | _                                    | 9          | 1        |          | =        |                | _        | Н              | -  | $\dashv$       | $\dashv$  | $\vdash$ |              | 59<br>60             | -               | +         | ╫           | +         | +     | ╁     | ┢             | Н                     | $\vdash$ | 110          |                             | H        | $\vdash$ | 十                    | $\perp$ |   |         | ╛         |   |   |
|   | _                                    | <u>(1)</u> |          |          |          | Н              |          |                |  |                |           |          |              | 61                   |                 | 工         | 1           | 土         | İ     | I     | 匚             |                       |          | 111          |                             |          |          | $\perp$              | T       | I                                       | П       | $\Box$    |   |   |
|   |                                      | 12         | 1        | 1        | Г        |                |          |                |  |                | $\exists$ |          |              | 62                   |                 | $\perp$   | +           | +         | ╀     | ╀     | -             | H                     | $\vdash$ | 112          | ╀                           | Н        | $\vdash$ | +                    | +       | ┿                                       | ╂┼      | $\dashv$  |   |   |
|   | ├                                    | 38<br>14   | 1        | 7        | $\vdash$ | $\vdash$       |          | Н              | Н  | Н              | $\dashv$  | -        |              | 63<br>64             | +               | $\dashv$  | +           | +         | 十     | ╁     | $\vdash$      | H                     |          | 114          |                             | П        |          | 土                    | 土       | 1                                       | П       | コ         |   |   |
|   |                                      | 15         | 1        | 1        | E        |                |          |                |  |                |           |          | Т            | 65                   |                 | 7         | 7           | $\top$    | T     |       |               | $\Box$                |          | 115          |                             | Н        | $\Box$   | 4                    | $\perp$ | +                                       | ${f H}$ | 4         |   |   |
|   |                                      | (6)        |          | 0        | =        | ┡              | L        | Н              | Н  | $\blacksquare$ | $\dashv$  | $\vdash$ | +            | 66<br>67             | $\dashv$        | +         | +           | ╬         | +     | ╀     | ╀             | Н                     | $\vdash$ | 116<br>117   | +                           | Н        | H        | +                    | +       | +                                       | H       | $\dashv$  |   |   |
|   | -                                    | 18         |          | 1        | ┝        | ┢              | $\vdash$ | Н              | Н  | H              | $\exists$ | $\vdash$ |              | 68                   |                 | $\pm$     | 1           | 1         | $\pm$ | Ì     | 上             | 口                     |          | 118          |                             |          | $\Box$   | 丰                    | 1       |   | П       | コ         |   |   |
|   |                                      | 18         |          |          |          |                |          |                |  |                |           |          |              | 69                   |                 | $\Box$    | 4           | _         | 1     | 1     | ↓             | Н                     | $\vdash$ | 119          |                             | Н        | ⊢┼       |                      | +       | +-                                      | ┦       | $\dashv$  |   |   |
|   | <u> </u>                             | 26<br>21   | ┞        | ⊢        | H        | -              | ⊢        | $\vdash$       | Н  |                | $\dashv$  | -        |              | 70<br>71             | $\vdash$        | $\dashv$  | +           | +         | +     | +     | ╁             | Н                     | $\vdash$ | 121          | +                           | Н        | H        | $\top$               | $\pm$   | $\pm$                                   | П       | $\exists$ |   |   |
|   | $\vdash$                             | 22         | T        |          | T        |                |          | Г              |  |                |           |          | $\top$       | 72                   |                 | 1         | 1           |           | İ     |       |               |                       |          | 122          |                             |          |          | $\perp$              | Ţ       | T                                       | П       | $\Box$    |   |   |
|   |                                      | 23         |          |          | L        | L              |          |                | $\top$   | Ι              |           | -        |              | 73<br>74             | $\vdash \vdash$ | +         | 4           | +         | +     | ╀     | ╀             | Н                     | $\vdash$ | 123          |                             | Н        | $\vdash$ | +                    | +       | +                                       | H       | ᅥ         |   |   |
|   | -                                    | 24<br>25   | ┝        | ╀        | $\vdash$ | <del>  -</del> | $\vdash$ | -              | $\vdash$   | Н              | $\dashv$  | $\vdash$ |              | 7 <del>4</del><br>75 | H               | +         | +           | +         | ╁     | +     | 十             | Н                     |          | 125          | $\Pi$                       |          |          | 土                    | 土       | 土                                       |         |           |   |   |
|   |                                      | 26         |          |          |          |                |          |                |  |                |           |          |              | 76                   |                 | $\exists$ | 7           | 1         | T     | Ţ     | $ \downarrow$ | П                     |          | 126          |                             |          | Н        | -                    | +       | ╀                                       | ${m H}$ | $\dashv$  |   |   |
|   |                                      | 27         | -        | ┞-       | ┡        | ┞-             | -        | L              | _  | L              | Н         | $\vdash$ |              | 77<br>78             | Н               | -         | +           | +         | +     | ╫     | +             | H                     | $\vdash$ | 127          |                             | H        | Н        | 十                    | +       | +                                       | H       | $\dashv$  |   |   |
|   | -                                    | 28<br>29   | $\vdash$ | ╀        | $\vdash$ | 十              | ┢        | ┝              | Н  | H              | H         |          | $^{\dagger}$ | 79                   | $\Box$          | 1         | 1           |           | 土     | 土     | 上             | 口                     |          | 129          |                             |          |          |                      | 丰       |   | 口       | $\Box$    |   | • |
|   |                                      | 30         |          |          |          |                |          |                |  |                | 口.        |          |              | 80                   | $\Box$          |           | $\Box$      | 1         | Ţ     | 1     | $\perp$       | Н                     | <u> </u> | 130          |                             | -        | -        | $\dashv$             | +       |   | H       |           |   |   |
|   | <u> </u>                             | 31<br>32   | ╀        | ╀        | ╀        | ╀              | ├        | ├              | -  | ┝              | H         | $\vdash$ | +            | 81<br>82             | H               | $\dashv$  | +           | +         | 十     | ┿     | ╁             | Н                     | $\vdash$ | 132          |                             |          | Н        | $\dashv$             | 十       | +                                       | H       |           |   |   |
|   |                                      | 33         | ╁        | 1        | 十        | ۲              | -        | ┢              | <del>                                     </del> | -              | Н         |          | 1            | 83                   |                 |           | $\perp$     | 土         | 1     | İ     | 仜             | ロ                     |          | 133          |                             |          | 口        |                      | 1       | I                                       | $\Box$  |           |   |   |
|   |                                      | 34         | L        |          |          | L              | L        | L              |  |                |           | $\vdash$ | $\dashv$     | 84                   | П               | $\exists$ | 4           | -         | +     | +     | -             | Н                     | $\vdash$ | 134          |                             | ⊢        | Н        | $\dashv$             | +       | ╌                                       | H       | $\dashv$  |   |   |
|   | -                                    | 35<br>36   | ╀        | ╀        | ╀        | ╀              | ╀        | ┞              | ┞  | H              | Н         | ⊦        | +            | 85<br>86             | $\vdash$        | $\dashv$  | ┥           | +         | ╁     | ╁     | ╁             | Н                     | $\vdash$ | 136          |                             | $\vdash$ | Н        | $\dashv$             | +       | ╅                                       | $\Box$  | $\dashv$  |   |   |
|   |                                      | 37         |          |          |          |                |          | L              |  |                | Ħ.        |          |              | 87                   |                 |           | コ           |           | 1     |       |               | 口                     |          | 137          | $\perp$                     |          | П        | $\Box$               | I       | $\perp$                                 | $\Box$  |           |   |   |
|   |                                      | 38         |          | L        | L        | Ţ              |          | L              | L  |                | $\Box$    |          | 4            | 88<br>89             |                 | -         | 4           | +         | 4     | +     | +             | H                     | -        | 138          |                             | ╀        | $\vdash$ | $\dashv$             | +       | ╫                                       | +       | $\dashv$  |   |   |
|   | $\vdash$                             | 39<br>40   | ╁        | ╀        | ╀╌       | ╀╌             | ╁        | ┢              | ┝  | ┝              | Н         | $\vdash$ | $\dashv$     | 90                   | Н               | $\dashv$  | 7           | +         | +     | +     | t             | H                     | $\vdash$ | 140          |                             |          | 口        |                      | 1       | 土                                       |         |           |   |   |
|   |                                      | 41         | t        |          | t        | L              | İ        | L              |  |                |           |          | 1            | 91                   | 口               |           | $\Box$      |           | 1     | I     | I             | П                     |          | 141          |                             | F        | П        | $\Box$               | $\bot$  | 1                                       | $\perp$ | $\Box$    |   |   |
|   |                                      | 42         | $\perp$  | F        | F        | F              | F        | $\vdash$       | Ļ  | <u> </u>       | $\square$ | F        | $\dashv$     | 92<br>93             | $\vdash$        | -         | $\dashv$    | +         | +     | +     | +             | H                     | $\vdash$ | 142          |                             | ╀        | ┼┤       | $\vdash$             | +       | +                                       | H       | $\dashv$  |   |   |
|   | $\vdash$                             | 43         | ╁        | ╁        | ╁        | +              | $\vdash$ | $\vdash$       | $\vdash$   | $\vdash$       | H         | -        | $\dashv$     | 94                   | H               | -         | _           | +         | _     | $\pm$ | 士             | $\Box$                |          | 144          |                             | 上        | $\Box$   |                      | 士       | 土                                       | 口       | 口         |   |   |
|   |                                      | 45         | L        | I        |          | I              | L        |                |  |                | 口         |          | コ            | 95                   | $\Box$          | $\Box$    | $\sqsupset$ | 1         | Ţ     | Ţ     | Ţ             | $\Box$                | F        | 145          |                             | F        | $\Box$   | П                    | 4       | 4                                       | +       | Н         |   |   |
|   | _                                    | 46         | 1        | 1        | 1        | +              | +        | +              | $\vdash$   | ⊢              | Н         | $\vdash$ | +            | 96<br>97             | $\vdash$        | $\dashv$  | -           | $\dashv$  | +     | +     | +             | ╁┥                    | $\vdash$ | 140          |                             | +        | Н        | $\vdash \vdash$      | +       | +                                       | +       | Н         |   |   |
|   | -                                    | 47         | +        | +        | +        | +              | +        | T              | +  |                | Н         | $\vdash$ | _†           | 98                   | 口               |           |             |           | 土     | 1     | 上             | 世                     |          | 148          | 3                           |          | $\Box$   | 口                    | $\bot$  | 工                                       | $\Box$  |           |   |   |
|   |                                      | 49         |          | I        |          | I              | I        | Γ              | L  |                |           |          | _            | 99                   |                 | Д         | $\Box$      | $\dashv$  | Ţ     | Ţ     | T             | $\Box$                |          | 149          |                             | +        | H        | ${oldsymbol{arphi}}$ | +       | +                                       | +       | Н         | i |   |
|   |                                      | 50         |          | L        | 1        | _              |          |                | L  | <u>L</u>       | Ш         | ┖        |              | 100                  | لــا            | Ш         |             |           |       | 丄     | ᆚ_            | ш                     | L        | 150          | 4                           |          | ш        | щ                    |         | _ــــــــــــــــــــــــــــــــــــــ |         | لــا      |   |   |